TN Division of Health Care Finance & Administration

Health Care Innovation Initiative

EPISODE DESIGN FEEDBACK SESSION MAY 16, 2017



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RESPIRATORY AND PRIMARY CARE EPISODES

Episodes Included in the Respiratory & Primary Care Session

Acute Asthma Exacerbation

COPD

Pneumonia

Respiratory Infection Inpatient UTI

Outpatient UTI

Perinatal



Approach to the feedback session and objectives for today's discussion

Approach & Process

- 1. May 2017: Gather feedback from Stakeholders across the state on the first 20 episodes implemented
- **2. May-June 2017:** Conduct analysis to inform decision of how to incorporate feedback
- **3. Fall 2017:** Release memo to public with all episode changes
- **4. January 2018:** Incorporate selected changes into program for calendar year 2018

Objectives & Scope for Today

- Briefly review the background and objectives of the Tennessee Health Care Innovation Initiative & Episodes of care
- 2. Review feedback received prior to the meeting regarding the respiratory and primary care episodes
- 3. Listen to and capture feedback *specific* to the respiratory and primary care episodes
- 4. Capture feedback on the program overall

The primary purpose of today's session is listening; the state will respond to and incorporate feedback as appropriate over the coming months



Tennessee Health Care Innovation Initiative



We are **deeply committed** to reforming the way that we pay for healthcare in Tennessee

Our goal is to pay for outcomes and for quality care, and to reward strongly performing providers

We plan to have value-based payment account for the **majority of healthcare spend** within the next three to five years

By aligning on common approaches we will see greater impact and ease the transition for providers

We appreciate that hospitals, medical providers, and payers have all demonstrated a **sincere willingness** to move toward payment reform

By working together, we can make significant progress toward **sustainable medical costs and improving care**



What changes do we see for the health care system?

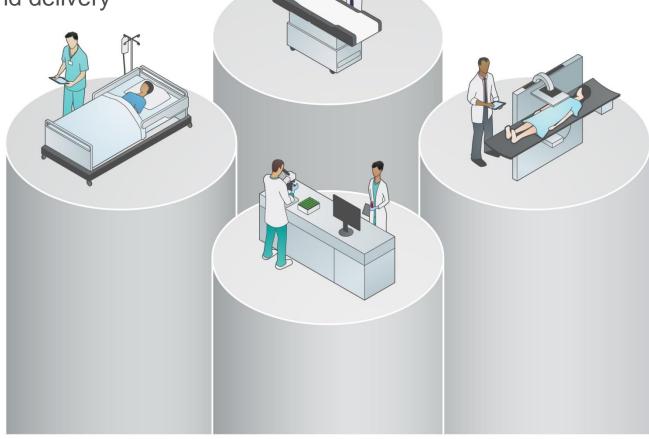
Silos are starting to come down

Growth in new ways to access health care

Increased use of data and technology

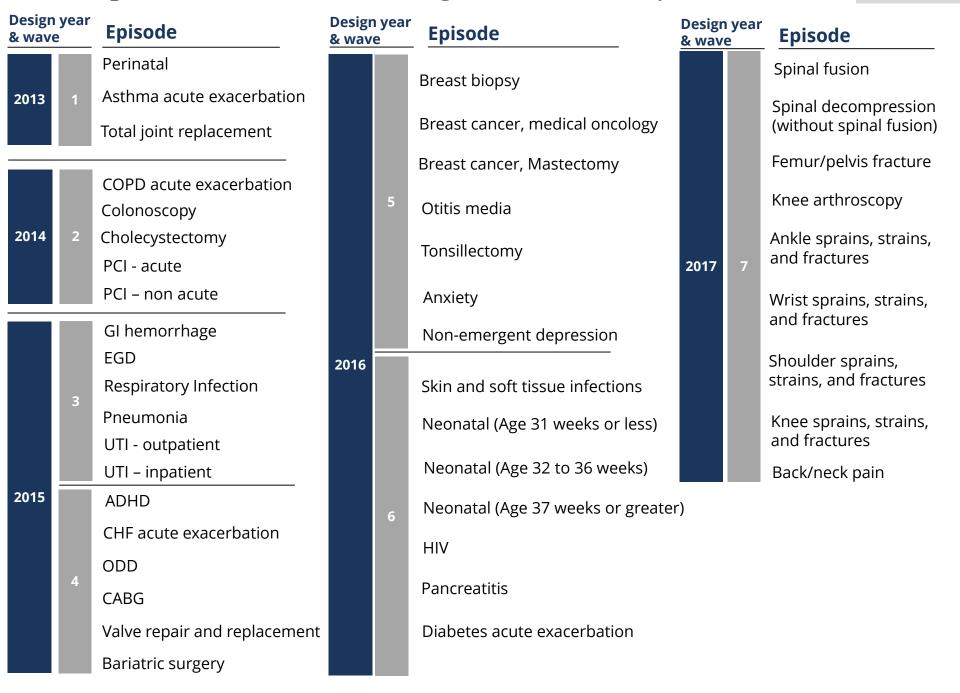
New payment and delivery

models





Over 40 episodes of care have been designed over the last 4 years



Results for First Three Episodes

Perinatal, total joint replacement and acute asthma exacerbation episodes showed total costs were reduced while quality was maintained in CY 2015.

Perinatal: 3.4% decrease in cost

Acute asthma exacerbation: 8.8% decrease in cost

Total joint replacement: 6.7% decrease in cost

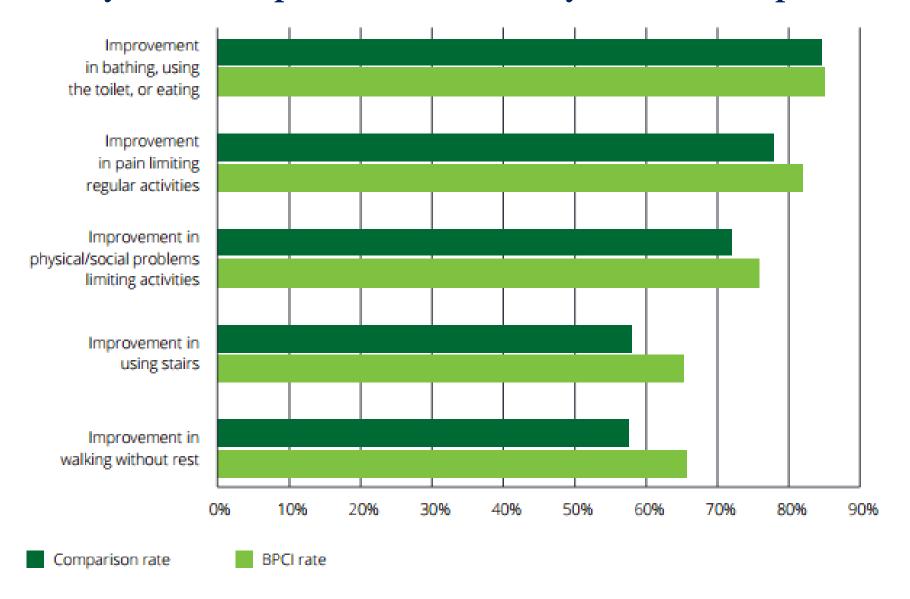
Doctors and hospitals reduced costs while maintaining quality of care

Wave 1 episodes reduced costs by \$11.1 million

(assuming a 3 percent increase would have taken place in the absence of this initiative)

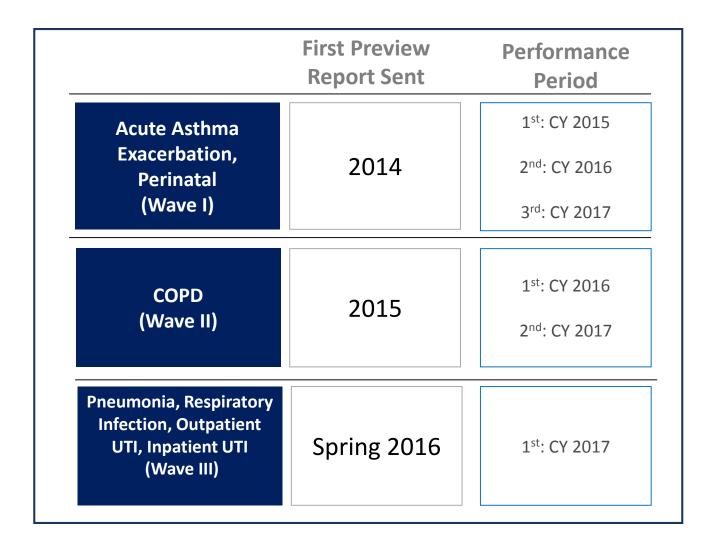


Bundled services for major joint replacement of the lower extremity showed improvement in mobility measures for patients



Source: CMS Bundled Payments for Care Improvement Initiative Models 2-4: Year 2 Evaluation & Monitoring Annual Report, 2016.

Status of the launched Respiratory and Primary Care Episodes





Perinatal episode definition

Area	Episode definition		
1 Identifying episode triggers	 A professional claim with delivery procedure code, along with an associated facility claim with a diagnosis code for a live birth in an inpatient or outpatient setting. 		
2 Attributing episodes to quarterbacks	The quarterback is the provider or provider group (by Tax ID) that performs the delivery		
3 Identifying services to include in episode spend	 Episode begins 40 weeks prior to day of admission for delivery and ends 60 days after discharge Prior to admission for delivery: All care associated with a pregnancy-related ICD-9 diagnosis code is included (unless explicitly excluded). including all ED claims. All medications claims for mother are included (unless explicitly excluded e.g., biologics) During delivery admission: All claims included After discharge: Readmissions: Related care from 0-30 days after discharge and relevant claims 31-60 days after discharge. All ED claims during 0-30 days after discharge and relevant ED claims 31-60 days after discharge not previously excluded based on readmission exclusions outlined above. All other care associated with a pregnancy-related ICD-9 diagnosis code is included (unless explicitly excluded). Medications: All claims for mother are included (unless explicitly excluded e.g., biologics) All care related to neonatal care is not included 		
Risk-adjusting and excluding episodes	 Episodes affected by factors that make them inherently more costly than others are risk adjusted. Episodes which are not comparable or affected by factors that make them inherently more costly but that cannot be risk-adjuste for are excluded. There are three types of exclusions: Business exclusions: Available information is not comparable or is incomplete (e.g., third party liability, non-continuous eligibility, left against medical advice, age 65 or older) Clinical exclusions: Cancer under active management, HIV, multiple sclerosis, blooding clotting disorders such as hemophilia, three or more gestations High cost outlier exclusions: Episode's risk adjusted spend is three standard deviations above the mean 		
5 Determining quality metrics performance	Tied to gain sharing:		

Asthma episode definition

Area **Episode definition** Identifying An emergency department, observation room, or inpatient visit for an acute exacerbation of asthma, bronchospasm, or episode triggers Attributing The quarterback is the facility of the trigger claim episodes to quarterbacks Episode begins with the acute exacerbation and ends 30 days after discharge | Identifying During the trigger event: All medical and prescription drug claims included services to After discharge: Claims for related services only (with a Primary Dx code related to asthma) include in Readmissions: Related care 0-30 days after discharge including possible related complications episode spend Medications: Relevant medications Episodes affected by factors that make them inherently more costly than others are risk adjusted. Risk-adjusting and excluding Episodes which are not comparable or affected by factors that make them inherently more costly but that cannot be risk-adjusted for are excluded. episodes There are three types of exclusions: Business exclusions: Available information is not comparable or is incomplete (e.g., third party liability, non-continuous eligibility, left against medical advice, age 65 or older) Clinical exclusions: Intubation during the episode, tracheostomy during the episode or in prior year, cystic fibrosis during the episode or in prior year, pulmonary hypertension during the episode or in prior year, supplemental oxygen during the post-trigger window, chronic airway obstruction during the episode or in prior year, active cancer management, HIV/AIDS, multiple sclerosis, blood clotting disorders such as hemophilia High cost outlier exclusions: Episode's risk adjusted spend is three standard deviations above the mean 5 Determining Tied to gain sharing: quality metrics Percent of valid episodes where the patient receives **relevant follow-up care** within the post-trigger window, performance Percent of patients on appropriate medications determined by an administration of or filled prescription for oral corticosteroids and/or injectable corticosteroids within the trigger and post-trigger window. Patients < 5 years old are excluded from this quality metric.

Not tied to gain sharing:

- Percent of valid episodes where the patient has a **repeat asthma acute exacerbation** within the post-trigger window
- Percent of valid episodes where the acute exacerbation during the trigger window is treated in an inpatient setting
- Percent of valid episodes where smoking cessation counseling for the patient and/or family was offered
- Percent of valid episodes where education on proper use of medication, trigger avoidance, or asthma action plan was discussed
- Percent of valid episodes where the patient receives a chest x-ray

¹ The ICD-9 code 786.07 (wheezing) is a potential trigger if the code is present in the primary diagnosis field of an emergency department, observation room, or inpatient facility and if at least one asthma or bronchospasm code is present in any diagnostic field of an inpatient, emergency department, outpatient, or professional claim within 365 days prior to the potential trigger event

COPD Acute Exacerbation episode definition

Area	Episode definition		
1 Identifying episode triggers	 An inpatient admission or observation or emergency department visit where the primary diagnosis is a COPD acute exacerbation diagnosis code. 		
2 Attributing episodes to quarterbacks	The Quarterback is the facility of the trigger claim.		
3 Identifying services to include in episode spend	 The episode does not have a pre-trigger window. The trigger window begins on the first day of the final facility during the first COPD acute exacerbation encounter of an episode and ends day of discharge from that admission. The post-trigger window begins on discharge from the final hospital in the initial trigger window and continues to the later of the 30 days or the last day of discharge from any readmission that starts within that 30 day post-trigger period Trigger window: All claims included (starting from the final transfer facility during the trigger window). Trigger must be preceded by 30-day period clean of any claim or combination thereof that would trigger an COPD acute exacerbation episode All medications included Post-trigger window: Claims for related services only (with a Primary Dx code related to COPD) Readmissions: All costs relating to related readmissions Relevant medications included 		
Risk-adjusting and excluding episodes	 Episodes affected by factors that make them inherently more costly than others are risk adjusted. Episodes which are not comparable or affected by factors that make them inherently more costly but that cannot be risk-adjusted for are excluded. There are three types of exclusions: Business exclusions: Available information is not comparable or is incomplete (e.g., third party liability, non-continuous eligibility, left against medical advice, age 65 or older) Clinical exclusions: Intubation, cystic fibrosis, bronchiectasis, lung cancer, end stage renal disease, active cancer management, HIV/AIDS, blood clotting disorders such as hemophilia High cost outlier exclusions: Episode's risk adjusted spend is three standard deviations above the mean 		
5 Determining quality metrics performance	Tied to gain sharing: Percent of valid episodes where the patient receives relevant follow-up care within the post-trigger window Not tied to gain sharing: Percent of valid episodes where the patient has a repeat COPD acute exacerbation within the post-trigger window Percent of valid episodes where the acute exacerbation during the trigger window is treated in an inpatient setting Percent of valid episodes where smoking cessation counseling for the patient and/or family was offered		

Respiratory infection episode definition

the trigger or post-trigger windows.

trigger or post-trigger windows.

Episode definition Area Identifying A respiratory infection episode is triggered by a **professional claim** where either episode triggers The primary diagnosis is one of the **defined RI trigger codes**, along with an **E&M code** for an office, outpatient, or ED setting, or The primary diagnosis is unspecified viral infection, with a secondary diagnosis code from the respiratory infection trigger codes Attributing The quarterback is the clinician or clinician group that diagnosed the respiratory infection episodes to Quarterbacks All related care – such as imaging and testing, follow-up visits, and medications – is included in the episode Identifying spend services to Facility fees associated to the E&M visit on the day the RI was diagnosed, are not included in spend include in episode • spend The episode starts with the triggering event and ends 14 days after the diagnosis Episodes affected by factors that make them inherently more costly than others are risk adjusted. Risk adjusting Episodes which are **not comparable** or affected by factors that make them inherently more costly but that and excluding cannot be risk-adjusted for are excluded. There are three types of exclusions: episodes Business exclusions: Available information is not comparable or is incomplete (e.g., third party liability, noncontinuous eligibility, left against medical advice, Age younger than 90 days of age or >64) Clinical exclusions: Acute epiglottitis, admission during the trigger window or one day after, cancer under active management, coma, cystic fibrosis, end stage renal disease, multiple sclerosis, organ transplant, Parkinson's, supraglottitis High cost outlier exclusions: Episode's risk adjusted spend is three standard deviations above the mean Tied to gain sharing: **Determining** None quality metrics performance Not tied to gain sharing: • Emergency department visit within the post-trigger window: Percent of valid episodes with a relevant ED visit within the posttrigger window. Admission within the post-trigger window: Percent of valid episodes with a relevant admission or relevant observation care within the post-trigger window. Antibiotic injection for Strep A sore throat: Percent of valid episodes with an antibiotic injection for Strep A sore throat within

• Steroid injection for Strep A sore throat: Percent of valid episodes with a steroid injection for Strep A sore throat within the

Pneumonia episode definition

Episode definition Area A pneumonia (PNA) episode is triggered by an inpatient admission or an ED/observation outpatient claim **Identifying episode** where either triggers The primary diagnosis is one of the **defined PNA trigger diagnosis codes**, or The primary diagnosis is one of the defined septicemia codes, with a secondary diagnosis code from the PNA trigger codes **Attributing episodes** The guarterback is the facility that treated the PNA to Quarterbacks All related care – such as imaging and testing, follow-up visits, and medications – is included in the episode Identifying services to include in spend episode spend The episode starts with the triggering event and ends 30 days after discharge Risk adjusting Episodes affected by factors that make them inherently more costly than others are risk adjusted. Episodes which are **not comparable** or affected by factors that make them inherently more costly but that and excluding cannot be risk-adjusted for are excluded. There are three types of exclusions: episodes Business exclusions: Available information is not comparable or is incomplete (e.g., third party liability, noncontinuous eligibility, left against medical advice, Age younger than 90 days of age or >64) Clinical exclusions: Age, cancer under active management, coma, cystic fibrosis, end stage renal disease, multiple sclerosis, organ transplant, specific acute care, Parkinson's, and other episode-specific conditions High cost outlier exclusions: Episode's risk adjusted spend is three standard deviations above the mean **Determining** Tied to gain sharing: Follow-up care within the post-trigger window: Percent of valid episodes with relevant follow-up care in the post-trigger quality metrics window performance Not Tied to gain sharing: Follow-up care within first seven days of post-trigger window: Percent of valid episodes with relevant follow-up care within the first seven days of the post-trigger window Emergency department visit within the post-trigger window: Percent of valid episodes with an ED visit within the posttrigger window Admission within the post-trigger window: Percent of valid episodes with a relevant admission within the post-trigger Follow-up visit versus relevant emergency department visit: Percent of valid episodes with the first visit being a relevant

occurring within the post-trigger window.

follow-up visit within the post-trigger window, for valid episodes that had any relevant post-trigger window visits

Pseudomembranous colitis within the post-trigger window: Percent of valid episodes with pseudomembranous colitis

Outpatient UTI episode definition

Are	Area Episode definition		
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1	Identifying episode triggers	 An Outpatient UTI episode is triggered by a professional claim where either The primary diagnosis is one of the defined UTI trigger codes along with an E&M code for an office, outpatient, or ED setting, or The primary diagnosis is one of the defined UTI symptom codes, with a secondary diagnosis code from the UTI trigger codes 	
2	Attributing episodes to Quarterbacks	The quarterback is the clinician or clinician group that diagnosed the UTI	
3	Identifying services to include in episode spend	 All related care – such as imaging and testing, follow-up visits and medications – is included in the episode spend Facility fees associated to the E&M visit on the day the UTI was diagnosed, are not included in spend The episode starts the day the UTI was diagnosed and ends 14 days after the diagnosis 	
4	Risk adjusting and excluding episodes	 Episodes affected by factors that make them inherently more costly than others are risk adjusted. Episodes which are not comparable or affected by factors that make them inherently more costly but that cannot be risk-adjusted for are excluded. There are three types of exclusions: Business exclusions: Available information is not comparable or is incomplete (e.g., third party liability, non-continuous eligibility, left against medical advice, Age younger than 1 year of age or >64) Clinical exclusions: Admission during trigger window or one day after, cancer under active management, coma, cystic fibrosis, end stage renal disease, multiple sclerosis, organ transplant, Parkinson's High cost outlier exclusions: Episode's risk adjusted spend is three standard deviations above the mean 	
5	Determining quality metrics performance	Admission in trigger window for non-ED triggered	
		 Not tied to gain sharing: Percent of valid episodes with an included ED visit in the post-trigger window. Percent of valid episodes with an included admission or included observation care within the post-trigger window. Percent of valid episodes with pseudomembranous colitis occurring within the post-trigger window. Percent of valid episodes with a urinalysis within the episode window. Percent of valid episodes with a urine culture within the episode window among the valid episodes that also had a urinalysis. Percent of valid episodes with a renal ultrasound within post-trigger window, for patients under age two 	

Inpatient UTI episode definition

Episode definition Area **Identifying episode** An Inpatient UTI episode is triggered by an inpatient admission or observation outpatient claim where triggers either The primary diagnosis in one of the **defined UTI trigger codes**, or The primary diagnosis is one of the defined septicemia codes, with a secondary diagnosis code from the UTI trigger codes **Attributing episodes** • The quarterback is the **facility** that treated the UTI to Quarterbacks **Identifying services** All related care – such as imaging and testing, follow-up visits and medications – is included in the episode to include in episode spend spend The episode starts the day of the triggering UTI and ends 30 days after discharge Episodes affected by factors that make them inherently more costly than others are risk adjusted. Risk adjusting and Episodes which are **not comparable** or affected by factors that make them inherently more costly but that excluding episodes cannot be risk-adjusted for are excluded. There are three types of exclusions: Business exclusions: Available information is not comparable or is incomplete (e.g., third party liability, noncontinuous eligibility, left against medical advice, Age younger than 18 years of age or >64) Clinical exclusions: Cancer under active management, coma, cystic fibrosis, end stage renal disease, multiple sclerosis, organ transplant, Parkinson's High cost outlier exclusions: Episode's risk adjusted spend is three standard deviations above the mean **Determining quality** Tied to gain sharing: Follow-up care within the post-trigger window metrics performance

Not tied to gain sharing:

- Percent of valid episodes with relevant follow-up care within the first seven days of the post-trigger window
- Percent of valid episodes with an ED visit within the post-trigger window
- Percent of valid episodes with a relevant admission within the post-trigger window
- Percent of valid episodes with the first visit being a relevant follow-up visit within the post-trigger window, for valid episodes that had any relevant post-trigger window visits
- Percent of valid episodes with pseudomembranous colitis occurring within the post-trigger window.

Examples of Changes made based on previous Episode Design Feedback Sessions

1 • All Episode Feedback

Aligning readmission logic with future waves of episodes.

In 2015, all wave one episodes of care included readmissions based on an exclusionary logic. Following the Feedback Session, readmissions were based on an inclusionary logic, meaning that only specifically related admissions are now included.

Episode: Acute Asthma Exacerbation

Expand the definition of the appropriate medications quality metric to include oral and/or injectable corticosteroids filled during the trigger window in the hospital setting (e.g. Emergency Department, Observation and/or inpatient stay) and the post-trigger window rather than just in the post-trigger window.

Guidelines for medication use during an acute asthma exacerbation now recommend giving early systematic glucocorticoids to all patients who have a moderate or severe exacerbation. The appropriate medications will be included in the quality metric during both the trigger and post-trigger window.



2

Respiratory and Primary Care Episodes feedback received to date

Identifying episode triggers Review trigger codes to ensure that contingent and primary triggers do not overlap for the Asthma episode. None None

Identifying services to include in episode spend

 Change the included spend logic to ensure that only claims related to an outpatient UTI are included in spend.

Risk adjusting and excluding episodes

- Exclude bronchiolitis from the pneumonia episode.
- Remove all spend related to Maternal Fetal Medicine Specialists from the Perinatal episode.
- Exclude Sickle Cell Disease from the Asthma, Pneumonia and Inpatient UTI episodes.
- Exclude genetic testing from the Perinatal episode.

Determining quality metrics performance

- Update the HIV screening quality metric in the Perinatal episode to include code 80081.
- Update C-section quality metric in the Perinatal episode to factor in previous C-sections.



Topics for Discussion

Design Dimensions

- 1 Identifying episode triggers
- Attributing episodes to quarterbacks
- Identifying services to include in episode spend
- Risk adjusting and excluding episodes
- Determining quality metrics performance

General Episode Feedback

Next steps following this feedback session

- Review all feedback received both prior and during the feedback session
- Analyze the potential changes and possible impact on episode design
- Release memo summarizing changes to episode design in the late-summer
- Incorporate changes that need to be made for the 2018 performance period

Thank you for participating!

Please contact <u>payment.reform@tn.gov</u> with any questions or visit our website at: <u>www.tn.gov/hcfa/topic/episodes-of-care</u>

